

FIG. 1

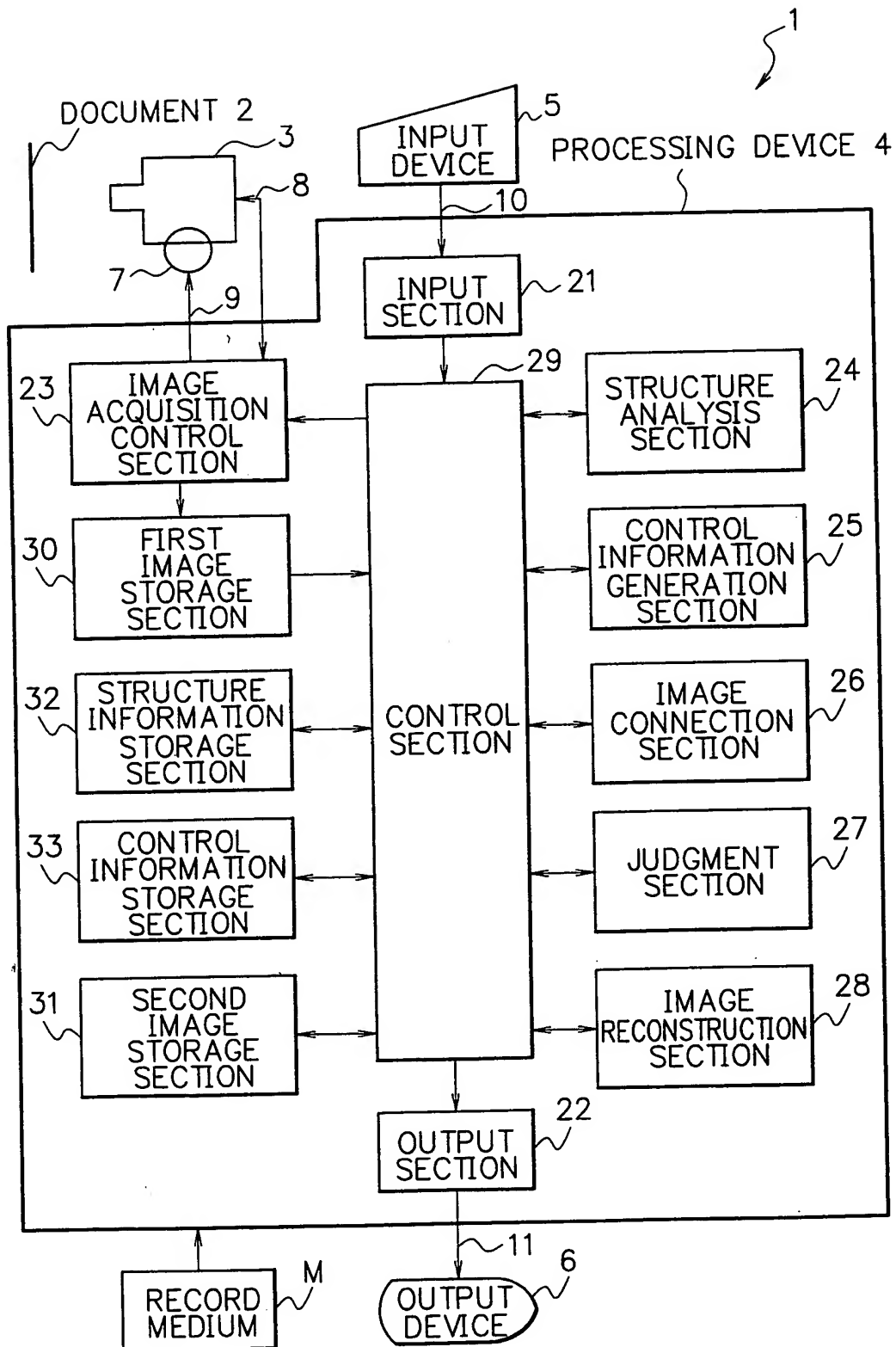


FIG. 2

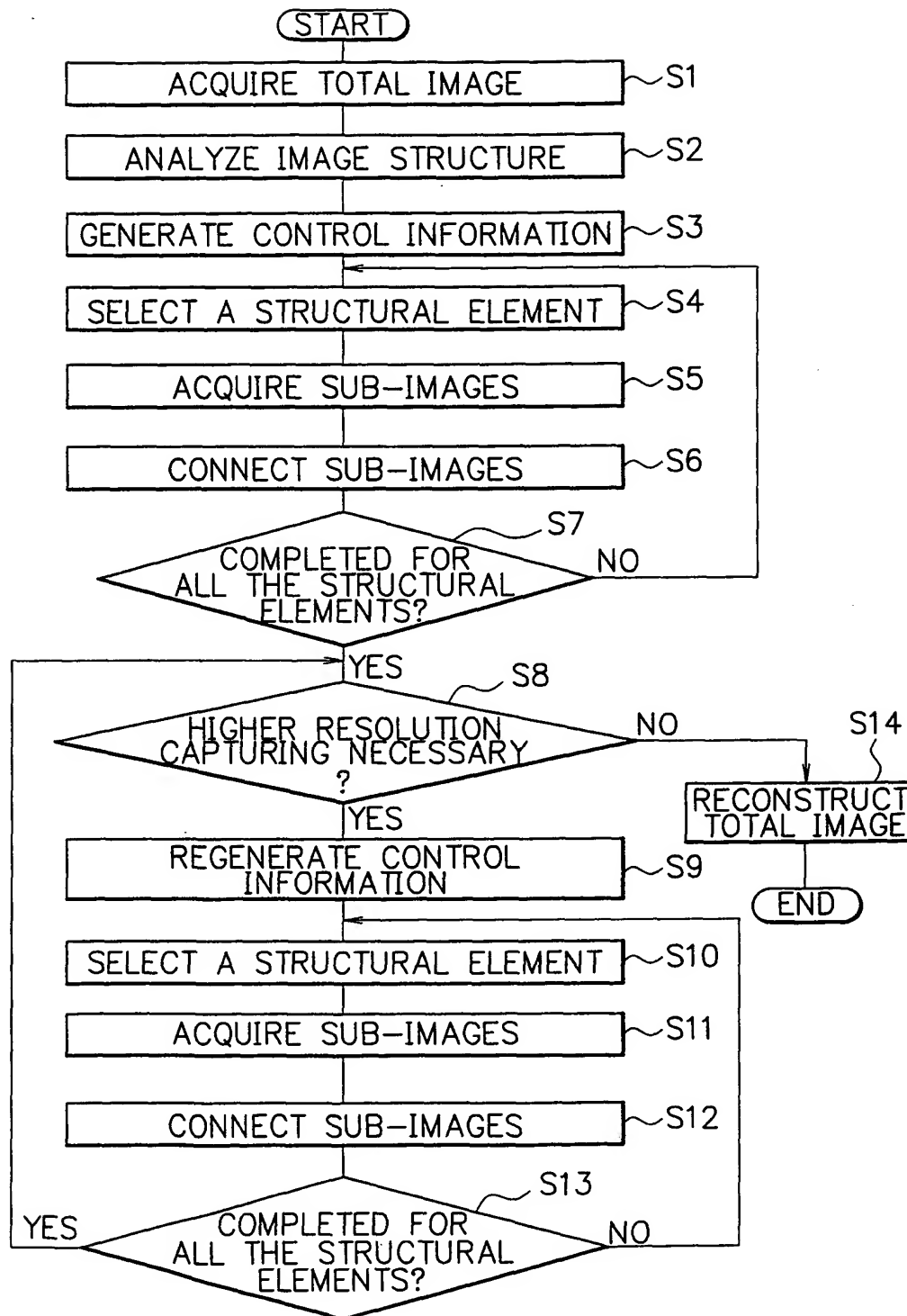


FIG. 3

Document Reconstruction and Recognition

Abstract: A new method for reconstructing a document from an image sequence and recognizing contents of the document is described. In this method, frame images in the image sequence are acquired as partial sub-images by a moving camera.

1. Introduction

Document OCRs have been developed for digitizing documents into character code sequences. As their accuracy increases, new applications are required. Examples of document OCR applications include keyword recognition.

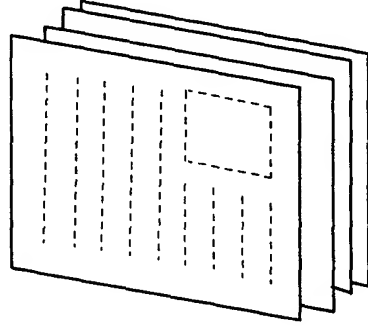
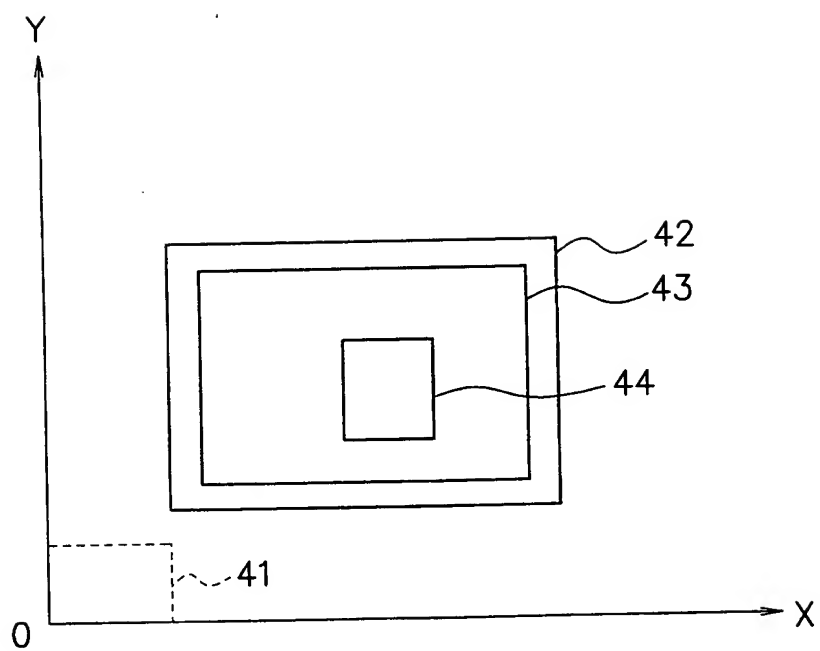
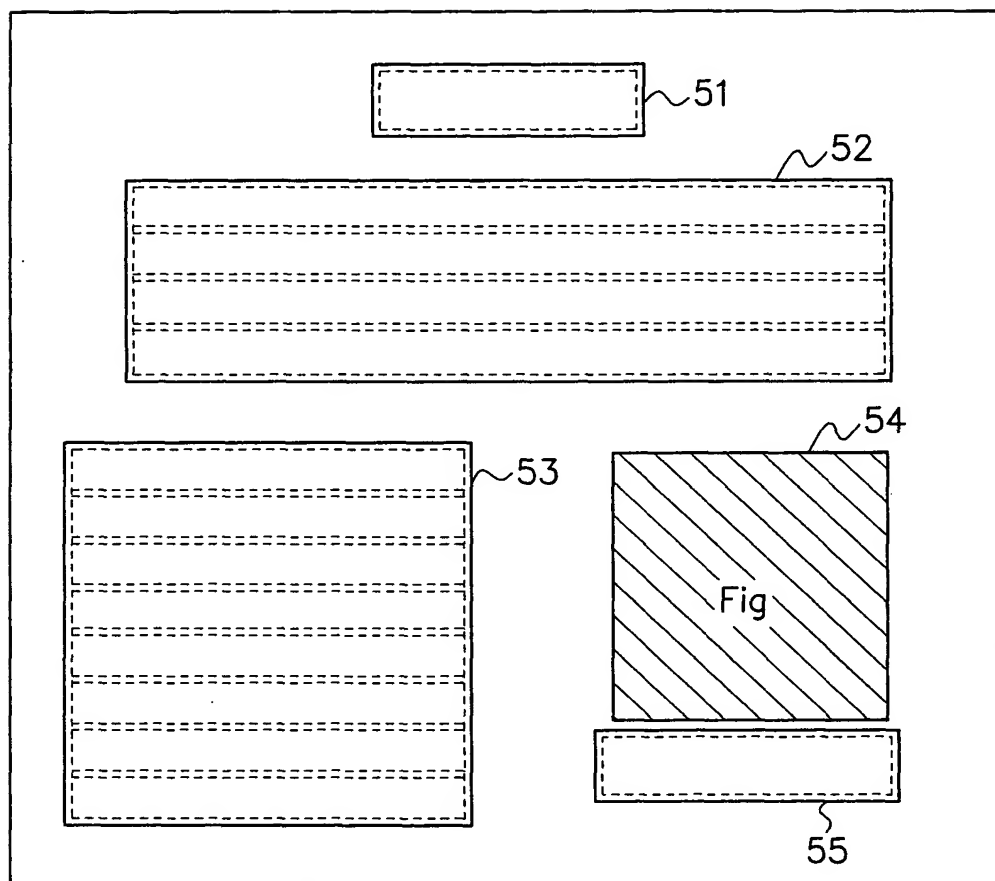


Fig.1 Document

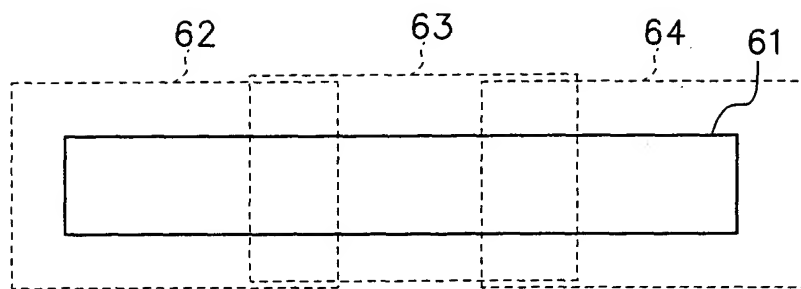
F I G. 4



F I G. 5



F I G. 6A



F I G. 6B

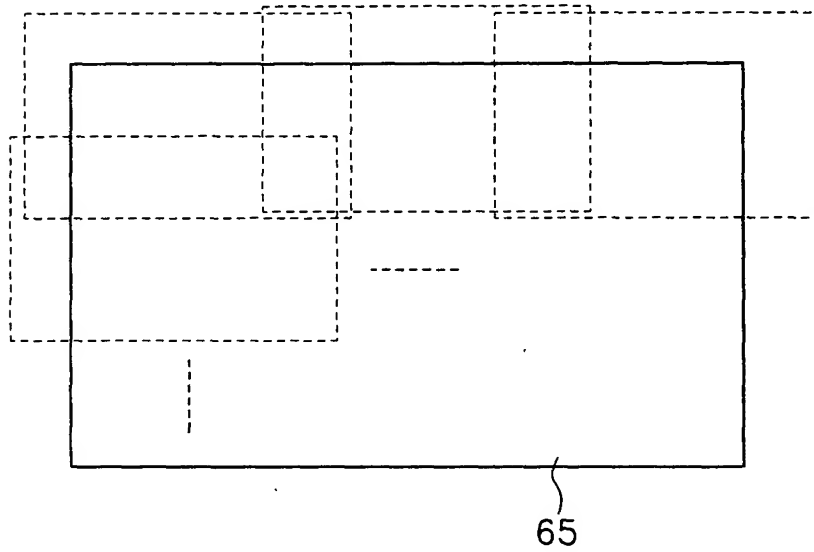


FIG. 7

STRUCTURAL ELEMENT 51
ZOOM RATIO
CAPTURING DIRECTION FOR PARTIAL AREA #1
⋮
CAPTURING DIRECTION FOR PARTIAL AREA #m
STRUCTURAL ELEMENT 52
ZOOM RATIO
CAPTURING DIRECTION FOR PARTIAL AREA #1
⋮
CAPTURING DIRECTION FOR PARTIAL AREA #n
STRUCTURAL ELEMENT 53
ZOOM RATIO
CAPTURING DIRECTION FOR PARTIAL AREA #1
⋮
CAPTURING DIRECTION FOR PARTIAL AREA #p
STRUCTURAL ELEMENT 55
ZOOM RATIO
CAPTURING DIRECTION FOR PARTIAL AREA #1
⋮
CAPTURING DIRECTION FOR PARTIAL AREA #q

FIG. 8

